

Title (en)  
HAND-HELD PORTABLE BACKSCATTER INSPECTION SYSTEM

Title (de)  
HANDHALTBARES TRAGBARES RÜCKSTREUUNGSINSPEKTIONSSYSTEM

Title (fr)  
SYSTÈME D'INSPECTION PAR RÉTRODIFFUSION PORTABLE PORTATIF

Publication  
**EP 3271709 A1 20180124 (EN)**

Application  
**EP 16769441 A 20160318**

Priority

- US 201562136315 P 20150320
- US 201562136322 P 20150320
- US 201562136305 P 20150320
- US 201562136299 P 20150320
- US 201562136362 P 20150320
- US 2016023240 W 20160318

Abstract (en)  
[origin: WO2016154044A1] The present specification describes a compact, hand-held probe or device that uses the principle of X-ray backscatter to provide immediate feedback to an operator about the presence of scattering and absorbing materials, items or objects behind concealing barriers irradiated by ionizing radiation, such as X-rays. Feedback is provided in the form of a changing audible tone whereby the pitch or frequency of the tone varies depending on the type of scattering material, item or object. Additionally or alternatively, the operator obtains a visual scan image on a screen by scanning the beam around a suspect area or anomaly.

IPC 8 full level  
**G01N 23/201** (2018.01)

CPC (source: EP GB US)  
**G01N 23/203** (2013.01 - EP GB US); **G01V 5/222** (2024.01 - EP GB US); **G01V 5/232** (2024.01 - US); **G21K 1/043** (2013.01 - EP)

Cited by  
US11525930B2; US11175245B1; US11143783B2; US11579327B2; US11300703B2; US11561320B2; US11340361B1; US11726218B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)  
**WO 2016154044 A1 20160929**; CN 107615052 A 20180119; EP 3271709 A1 20180124; EP 3271709 A4 20181107; EP 3271709 B1 20220921; GB 201716866 D0 20171129; GB 2554566 A 20180404; GB 2554566 B 20210602; HK 1252215 A1 20190524; JP 2018508787 A 20180329; JP 6746603 B2 20200826; MX 2017012069 A 20180627; PL 3271709 T3 20230220; US 10168445 B2 20190101; US 10901113 B2 20210126; US 11300703 B2 20220412; US 11561320 B2 20230124; US 2017023696 A1 20170126; US 2019361144 A1 20191128; US 2021349233 A1 20211111; US 2021373191 A1 20211202; US 2023204812 A1 20230629

DOCDB simple family (application)  
**US 2016023240 W 20160318**; CN 201680028912 A 20160318; EP 16769441 A 20160318; GB 201716866 A 20160318; HK 18111452 A 20180906; JP 2017549222 A 20160318; MX 2017012069 A 20160318; PL 16769441 T 20160318; US 201615074787 A 20160318; US 201816199531 A 20181126; US 202017126342 A 20201218; US 202117399927 A 20210811; US 202218068685 A 20221220